



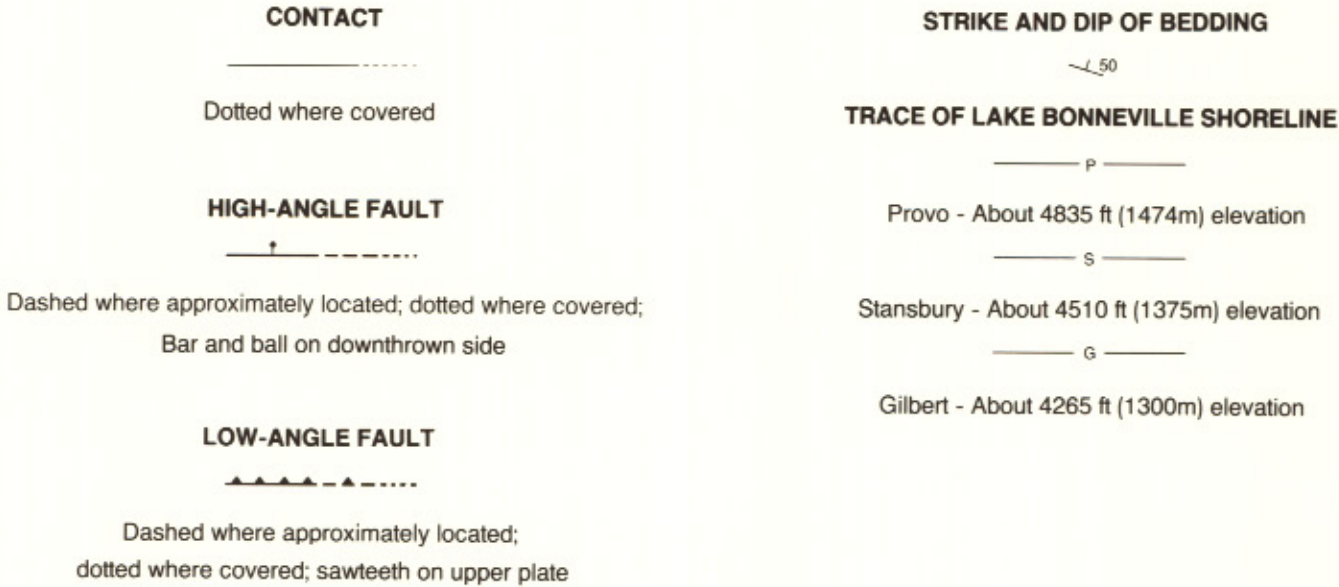
1987



UTAH

QUADRANGLE LOCATION

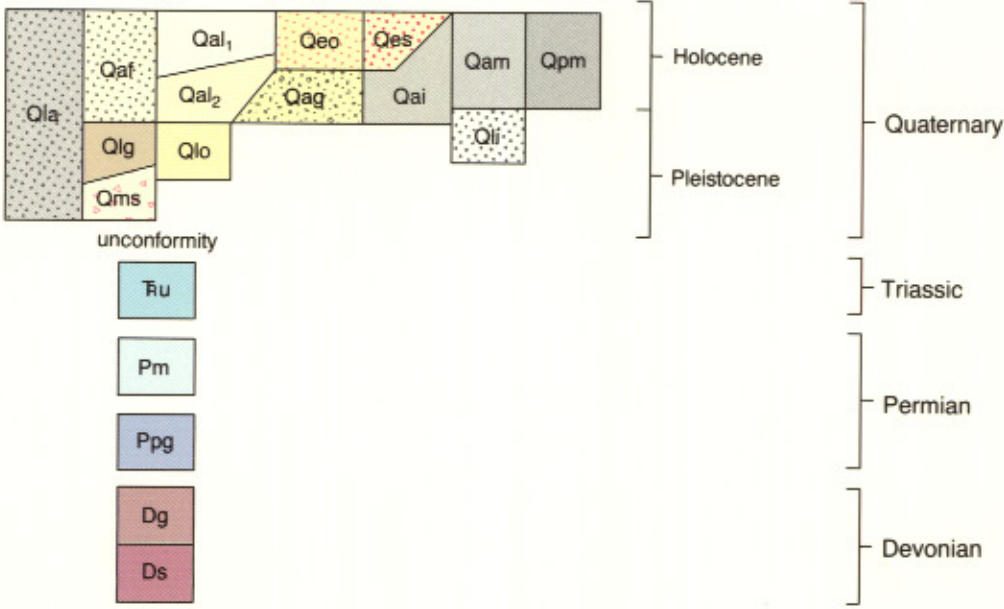




DESCRIPTION OF MAP UNITS

	Lacustrine and alluvial deposits, undivided— <i>Alluvium older than Lake Bonneville etched by erosional shorelines, and overlain by thin lacustrine gravel and sand deposits.</i>		Lacustrine gravel and sand, undivided— <i>Unconsolidated gravel and sand forming shoreline deposits of Lake Bonneville. Clasts are well rounded and size-sorted, commonly with little matrix. Locally forms beachrock cemented by calcareous silt.</i>
	Alluvial fan deposits— <i>Unconsolidated alluvial-fan deposits of gravel, sand, and silt; colluvium included locally.</i>		Lacustrine oolite— <i>Light-colored, platy, cemented calcareous oolite, generally 5 to 15 cm thick, capping brown, thin-bedded, oolitic sandstone more than 1.5 m thick.</i>
	Younger Alluvium— <i>Unconsolidated silt, sand, and fine pebble gravel in ephemeral streams and washes, and in sheetflow deposits.</i>		Lacustrine silt— <i>Dark-brown, unconsolidated silt and fine-grained sand overlying lacustrine mud. Supports moderate shrubs and black algae.</i>
	Eolian sand— <i>Unconsolidated tan to light-brown, fine- to medium-grained sand and tan silt, occurring as complexes of small (2 m high) vegetated dunes or as broad sheets covering fine-grained alluvial deposits. Commonly contains detrital evaporite minerals.</i>		Mass movement deposits— <i>Landslide block characterized by hummocky topography on the east side of Pigeon Mountain. Slide debris has wave-cut notches from Lake Bonneville.</i>
	Eolian oolitic sand— <i>White oolitic sand sheets and dunes reaching heights of 11 m. Clasts are predominantly spherical and elliptical ooids.</i>		Unnamed sandstone— <i>Yellowish-brown calcareous siltstone and fine-grained sandstone forming slopes.</i>
	Alluvial silt— <i>Unconsolidated, tan silt, clay, and fine sand generally producing hummocky topography. Desiccation features, vegetation, and black algae are common.</i>		Murdock Mountain Formation— <i>Brown and black, thin-bedded chert, brown sandstone, and gray dolomite and dolomitic sandstone. Chert locally contains as much as 50 percent carbonate as irregular pods and stringers.</i>
	Alluvial mud— <i>Unconsolidated clay, silt, and soluble salts in low-lying areas with characteristic development of ephemeral, low-gradient drainage systems. Deposits in the eastern half of the quadrangle include abundant salt crusts, local ooids, and sparse vegetation. Deposits in the west are covered by more vegetation (with local black algae), salt content is reduced, and no ooids occur.</i>		Grandeur Formation of the Park City Group— <i>Gray and brownish-gray, medium- to thick-bedded, cherty dolomite with thin interbeds of laminated sandstone and chert, rare limestone.</i>
	Playa mud— <i>Unconsolidated clay, silt, and white soluble salts in nearly level, undrained, vegetation-free plains.</i>		Guilmette Formation— <i>Massive to thick-bedded, dark-gray limestone and dolomite; highly fractured.</i>
	Older alluvium— <i>Unconsolidated silt, sand, and fine pebble gravel; locally includes silty floodplain deposits.</i>		Simonson Dolomite— <i>Medium-bedded, black and gray dolomite. Some beds laminated.</i>
	Alluvial gravel— <i>Tightly packed, fine to coarse pebble gravel deposited in stream channels discordant with present drainages. Maximum clast size is about 3 cm. Deposits generally form narrow, sinuous ridges.</i>		

CORRELATION OF MAP UNITS



FORMATION	SYMBOL	THICKNESS feet (meters)	LITHOLOGY
Unnamed sandstone	Tru	300 (90)	
Murdock Mountain Formation	Pm	330 (100)	
Grandeur Formation	Ppg	345 (105)	
Guilmette Formation	Dg	990 (300)	
Simonson Dolomite	Ds	285 (85)	

Meade Peak Phosphatic Shale Tongue of the Phosphoria Formation—*Black and brown, fissile shale and siltstone with subordinate interbedded dolomite and sandstone.*

